



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

FOURTH YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL
SCIENCE MANAGEMENT WITH INFORMATION TECHNOLOGY

MAIN CAMPUS

NES 412: CLEANER PRODUCTION TECHNOLOGY

Date: 21st April, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.



NES 412: CLEANER PRODUCTION TECHNOLOGY

Time: 2hrs

INSTRUCTIONS

Answer question one and any other two questions

1. a) Differentiate cleaner production technology from pollution control. *(9mks)*
b) Discuss the control of noise source by design as a cleaner production technology. *(15mks)*
c) State basic questions asked in option generation. *(6mks)*
2. a) Discuss environmental evaluation as applied in cleaner technology. *(10mks)*
b) Discuss tasks that have to be undertaken for proper implementation and continuation of cleaner production technology. *(10mks)*
3. a) Explain briefly four main steps involved in integrated pest management control. *(10mks)*
b) Classify biopesticides based on their targeted effect against specific pest. *(10mks)*
4. Discuss five ingredients for proper waste prevention organization in companies and other sizeable organization. *(20mks)*
5. Discuss changes in the production process as opportunity for cleaner production. *(20mks)*
6. Describe the conventional and the cleaner method of production for the following;
a) Carbaryl *(10mks)*
b) Ibuprofen *(10mks)*